

OSA-2489-62

8 May 1963

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MEMORANDUM FOR:  CD/OSA

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SUBJECT :  Proposal P-2518A

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REFERENCE :  Proposal P-2518A

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1. The purpose of  is to provide a monitor and Keyer modulator for an automatic data link by which transmission and recovery of functional flight data can be made from aircraft during emergency situations.  Proposal P-2518 specified the scope of work and cost for a system study. At the conclusion of the study a deliverable prototype of an electronic monitoring unit was to be available. The scope of work is covered in items 1, 3, 4, 5, 6 and 7 of the proposal P-2518 and cost enclosures A and B of the same proposal. Such a unit has been tested in the field and found to have deficiencies.

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2. It was requested that a second prototype be designed and fabricated to overcome the deficiencies evident in the original hardware effort.  Proposal 2518A gives the estimated scope and cost breakdown for a second engineering prototype. Additional design responsibilities have been outlined in items 4 and 5 of the new proposal to provide two types of transducers. Cost breakdown for the required design, fabrication, and engineering services is outlined in Cost Enclosures A and B.

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3. The technical feasibility of the system has been demonstrated, and specification for the test prototype has been coordinated between this Agency,  and LAC. Present scheduling and coordination for flight test programs require a continued effort for fabrication and delivery of the items described in  P-2518A. It is understood that a verbal "go-ahead" has been given. The additional costs indicated in the Cost Enclosure A of P-2518A over indicated costs in the Cost Enclosure A of P-2518 can be justified in the added scope of work in circuit modification and transducer design and fabrication. It is recommended that the proposed effort and scope of work shown in  Proposal P-2518A be accepted.

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